



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

Stated Meeting, May 19.

Present, thirty-two members.

Dr. CHAPMAN, Vice-President, in the Chair.

Letters were received and read:—

From Lieut. Col. W. Reid, C.B., F.R.S., Governor of Bermuda, dated 24th April, 1843, acknowledging the honour of his election to membership:—

From the Corporation of Harvard University, dated 10th May, 1843,—the Connecticut Historical Society, dated Hartford, 9th May, 1843,—and the Secretary of the Linnean Society, dated London, 3d Feb. 1843,—acknowledging the receipt of recent numbers of the Transactions and Proceedings of this Society:—

From Longman, Brown & Co., dated London, 2d April, 1843, in reference to a work on Ornithology by George Gray, about to be published by them:—and

From Mr. J. B. Parker and his attorney, in reference to the sale of the Museum buildings.

The following donations were announced:—

FOR THE LIBRARY.

Philosophical Transactions of the Royal Society of London. For 1842. Part II. London, 1842. 4to.—*From the Society.*

List of the Royal Society of London, 30th Nov. 1842. 4to.—*From the same.*

Proceedings of the Royal Society, Nos. 54, 55, 1842. 8vo.—*From the same.*

Revised Instructions for the Use of the Magnetic and Meteorological Observatories, and for the Magnetic Surveys; prepared by the Committee of Physics and Meteorology of the Royal Society. London, 1842. 8vo.—*From the same.*

Tables for the Extemporaneous Application of Corrections for Temperature to Barometric Observations; deduced from the Tables published in the Report of the Committee of Physics of the R. S. By S. Elliott Hoskins, M.D. Guernsey, 1842. 8vo.—*From the same.*

Proceedings of the Royal Astronomical Society of London. Vol. V. No. 28. Feb. 1843. 8vo.—*From the Society.*

Observations on the Aurora Borealis, from Sept. 1834 to Sept. 1839.

By Robert Snow, Esq. Printed for Private Circulation. London, 1842. 12mo.—*From the Author.*

On the Intimate Rationale of the Voltaic Force. By Alfred Smee, F.R.S. London, Dec. 1842. 8vo.—*From the Author.*

Lecture on the Application of Science to Agriculture, delivered before the Members of the Royal Agricultural Society of England, Dec. 9th, 1841. By Charles Daubeny, M.D., F.R.S. &c. London, 1842. 8vo.—*From the Author.*

On the Chemical Constituents of Crops. By Charles Daubeny, Professor of Rural Economy in the University of Oxford. London, 1842. 8vo.—*From the same.*

On the Public Institutions for the Advancement of Agricultural Science in other Countries, &c. &c. By Charles Daubeny, M.D. F.R.S. London, 1842. 8vo.—*From the same.*

The African Repository and Colonial Journal. Vol. XIX. No. 5. May, 1843. 8vo.—*From the American Colonization Society.*

Proceedings of the Academy of Natural Sciences of Philadelphia. Nos. 24 & 25. 8vo.—*From the Academy.*

Szent Biblia, azaz: Istennek ó és új Testamentomában foglaltatott egész Szentírás. Magyar Nyelvre fordított Károli Gáspár által. Kőszegen, 1842. 8vo.—*From Mr. Charles Nagy, of Pesth, in Hungary.*

Professor Bache announced the death of H. R. H. the Duke of Sussex, late President of the Royal Society of London, and a member of this Society; who died on the 21st April, 1843, aged seventy.

Mr. Walker mentioned that Professor Kendall and himself had now succeeded in obtaining elements for calculating the place of the Comet with great accuracy.

He said that the elements which he had presented at the last stated meeting agree closely with those of M. Arago, just received, and published in the *Courier des Etats Unis*; but that he was satisfied from his more recent researches, that the elements then presented, and those also of M. Arago, led to unsatisfactory results; that the curve traversed by the comet differed from the parabola, and is now shown by the method of Gauss, to be a hyperbola. Mr. W. exhibited the computations made by Professor Kendall, Mr. Downes and himself, which threw the curve into the body of the sun. He said, that if sufficient reliance could be placed upon the normal places of the

comet from the High School observations, they would indicate that it may possibly have touched the sun. He thought that there were strong analogies between this comet and those of 1668 and 1689, which would indicate a period of $21\frac{2}{3}$ years; but further researches must be made before the question of the short period could be settled.

Professor Rogers suggested that in case of a contact or shock of two such bodies, the sun as the more solid would displace a portion of the comet, leaving the remainder to pass on; a suggestion which gave rise to an extended conversation on the subject of the comet, in which Dr. Patterson, Prof. Bache, Prof. Rogers, and Mr. Walker took part.

Mr. Kane, from the General Committee on the Centennial Celebration, and Prof. Bache, from one of the sub-committees, reported the several arrangements which they had concluded on the subjects referred to them.

On motion of Dr. Hays,

The Curators were authorized to have the head and other bones of the Mastodon, now at the university of Pennsylvania, and the skeleton of the Elephant, presented to the Society by the Asiatic Society, and now at the Museum, removed to the Society's cabinet.